	Application No.	No. Applicant(s)		
Notice of Allowability	10/809,021	EDO, RYO		
	Examiner	Art Unit	Ī	
	Minh-Chau T. Pham	1724		
	Willin-Criau 1. Friam	1724	1	
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate commun RIGHTS. This application is su	this application. If not include nication will be mailed in due	led course. THIS	
1. This communication is responsive to <u>Amendment filed on</u>	<u>n 1/24/07</u> .			
2. \boxtimes The allowed claim(s) is/are <u>1-11 and 13-15 (renumbered</u>	l as 1-14 respectively).			
 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents ha 		r (f).		
2. Certified copies of the priority documents ha	ve been received in Application	ı No		
3. Copies of the certified copies of the priority of	documents have been received	in this national stage applica	ation from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:		•		
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the re	quirements	
4. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gives	omitted. Note the attached EXA ives reason(s) why the oath or	MINER'S AMENDMENT or Neclaration is deficient.	NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") m	ust be submitted.			
(a) ☐ including changes required by the Notice of Draftspe		(PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date				
(b) including changes required by the attached Examine Paper No./Mail Date	er's Amendment / Comment or	in the Office action of		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			e back) of	
6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMEN	oosit of BIOLOGICAL MATE T FOR THE DEPOSIT OF BIO	RIAL must be submitted. LOGICAL MATERIAL.	Note the	
Attachment(s)	_			
1. Notice of References Cited (PTO-892)		ormal Patent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948) 6. ∐ Interview Su Paper No./N	6. ☐ Interview Summary (PTO-413), Paper No./Mail Date		
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner's A	Paper No./Mail Date 7. Examiner's Amendment/Comment		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	_	Statement of Reasons for Alle	owance	
Matthew O. SA PRIMARY EXAM	VAGE	Minh-Chau Pham Patent Examiner Art Unit: 1724	h	
3-26-07		7 W. Oline, 1724		

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Allowable Subject Matter

Claims 1-11 and 13-15 allowed.

The closest relevant arts are Morita et al (5,914,493) and Nanbu et al (5,725,664).

Morita et al disclose a substrate processing apparatus (Figs. 5 & 6) comprising an exposure chamber in which pressure of atmosphere is reduced to a first pressure (Fig. 5, 21, col. 4, lines 28-50), and an exposure unit (col. 4, lines 35-40) for transferring a pattern to a substrate is arranged, a load-lock chamber (23) connected to the exposure chamber, a transfer unit (col. 6, lines 19-22) which transfers the substrate to be exposed from a substrate carrier (29), supported by a carrier support (structure where the carrier rests, not numbered in Fig. 5) located out of the load-lock chamber (23) and the exposure chamber, into the load-lock chamber, wherein transfer of the substrate by transfer unit is performed under a second pressure higher than the first pressure. Between each chambers (25, 26, 25 and 23) transfer of the substrate has not yet entered the load lock chamber, which is where pressure is first reduced.

Nanbu et al disclose a semiconductor wafer processing apparatus having a localized humidifier arranged on the circulation line to supply dehumidifying air to the chamber via dehumidifying inlet port (67) formed in the ceiling of chamber (42), a dehumidified air supply duct (69a) supplies dehumidified air from the outside into a dehumidified air supply duct (68) coupled to the dehumidified air inlet port (67) through a filter (69) (ULPA filter) (see 67 & 69 in Fig. 4, col. 11, line 48 through col. 12, line 45).

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Claims 1-11 and 13-15 of this instant patent application differ from the disclosure of either Morita et al or Nanbu et al in that the apparatus comprises an exhaust unit which exhausts gas in the load-lock chamber wherein the dehumidifying unit forms a dehumidified atmosphere in the load-lock chamber by supplying the dehumidified gas into the load-lock chamber before the exhaust unit exhausts gas in the load-lock chamber.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Chau T. Pham whose telephone number is (571) 272-1163. The examiner can normally be reached on Mon/Tues/Thur/Fri 7:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Minh-Chau Pham Patent Examiner Art Unit: 1724

March 22, 2007